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DATASHEET

L-Aspartic acid

Product overview

Name	L-Aspartic acid
Cat No	HB0374
Alternative names	H-Asp-OH, Asparagic acid, L-Asparaginic acid, L-aspartate, Asparaginic acid, L-Asparagic acid, (2S)-Aspartic acid
Biological action	Antagonist
Purity	>98%
Description	Endogenous NMDA receptor agonist

Images



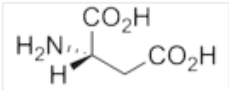
Biological Data

Biological description	Endogenous NMDA receptor agonist. Plays role in purine and pyrimidine synthesis. Displays similar activity to D-aspartic acid.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in NaOH(aq) (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	L-Aminosuccinic acid
Molecular Weight	133.1
Chemical structure	 The chemical structure shows a central carbon atom bonded to a hydrogen atom (H) on a wedge, an amino group (H ₂ N) on a dash, a carboxyl group (CO ₂ H) above, and a methylene group (-CH ₂ -CO ₂ H) to the right.
Molecular Formula	C ₄ H ₇ NO ₄
CAS Number	56-84-8
PubChem identifier	5960
SMILES	[H][C@@](CC(O)=O)(N)C(O)=O

References

Structure/activity relations of N-methyl-D-aspartate receptor ligands as studied by their inhibition of [3H]D-2-amino-5-phosphonopentanoic acid binding in rat brain membranes.

Olverman HJ *et al* (1988) *Neuroscience* 26(1)

PubMedID

[2901691](#)
